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**From:** Newhouse, Kathleen [Newhouse.Kathleen@epa.gov]  
**Sent:** 12/8/2016 6:06:55 PM  
**To:** Perovich, Gina [Perovich.Gina@epa.gov]  
**CC:** Cogliano, Vincent [cogliano.vincent@epa.gov]; Subramaniam, Ravi [Subramaniam.Ravi@epa.gov]; Shams, Dahnish [Shams.Dahnish@epa.gov]  
**Subject:** RE: Transmission of the draft IRIS assessment of Benzo[a]pyrene for Agency Review (Step 6)  
**Attachments:** Agenda Toxicity Workgroup December\_8\_2016.doc

Vince, attached is the agenda and call in info for today's meeting. Were you planning to attend?  
BaP is on the agenda for 2:10-2:20.

-K

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**From:** Perovich, Gina  
**Sent:** Wednesday, December 07, 2016 11:11 AM  
**To:** Burgess, Michele <Burgess.Michele@epa.gov>  
**Cc:** Newhouse, Kathleen <Newhouse.Kathleen@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>; Subramaniam, Ravi <Subramaniam.Ravi@epa.gov>; Shams, Dahnish <Shams.Dahnish@epa.gov>  
**Subject:** RE: Transmission of the draft IRIS assessment of Benzo[a]pyrene for Agency Review (Step 6)

Ok. I will expect Vince will want to be included, as well, please.

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Gina Perovich  
Deputy Director  
IRIS Program  
USEPA/ORD/NCEA  
703-347-8656

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**From:** Burgess, Michele  
**Sent:** Wednesday, December 07, 2016 2:10 PM  
**To:** Perovich, Gina <Perovich.Gina@epa.gov>  
**Cc:** Newhouse, Kathleen <Newhouse.Kathleen@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>; Subramaniam, Ravi <Subramaniam.Ravi@epa.gov>; Shams, Dahnish <Shams.Dahnish@epa.gov>  
**Subject:** RE: Transmission of the draft IRIS assessment of Benzo[a]pyrene for Agency Review (Step 6)

Hi

We have an OSRTI Toxicity Workgroup call to discuss some issues. Kathleen has agreed to attend. It is tomorrow at 2 pm EST.

Michele Burgess, PhD  
Office of Land and Emergency Management  
Office of Superfund Remediation & Technology Innovation  
Science Policy Branch  
Ph: 703-603-9003  
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1200 Pennsylvania Ave., NW  
MC 5204P  
Washington, DC 20460

**From:** Perovich, Gina  
**Sent:** Monday, December 05, 2016 11:35 AM  
**To:** Burgess, Michele <Burgess.Michele@epa.gov>  
**Cc:** Newhouse, Kathleen <Newhouse.Kathleen@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>; Subramaniam, Ravi <Subramaniam.Ravi@epa.gov>; Shams, Dahnish <Shams.Dahnish@epa.gov>  
**Subject:** FW: Transmission of the draft IRIS assessment of Benzo[a]pyrene for Agency Review (Step 6)

Hi Michele —

Please see note below from Marian Olsen re: the IRIS assessment for BaP, which is currently undergoing Step 6 Agency Review. Comments are due 12/14, but we are under the gun on this one and wanted to reach out to you sooner rather than later to talk about any concerns you may have, per Marian's e-mail below.

Please let us know when a good time to touch base would be.

Thx.

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Gina Perovich  
Deputy Director  
IRIS Program  
USEPA/ORD/NCEA  
703-347-8656

**From:** Olsen, Marian  
**Sent:** Monday, December 05, 2016 9:52 AM  
**To:** Perovich, Gina <Perovich.Gina@epa.gov>  
**Subject:** RE: Transmission of the draft IRIS assessment of Benzo[a]pyrene for Agency Review (Step 6)

Hi Gina,

## Ex. 5 Deliberative Process (DP)

Thanks.

Marian

**From:** Perovich, Gina  
**Sent:** Wednesday, November 23, 2016 3:56 PM  
**To:** Axelrad, Daniel <Axelrad.Daniel@epa.gov>; Baugh, Thomas L <Baugh.ThomasL@epa.gov>; Donohue, Joyce <Donohue.Joyce@epa.gov>; Dzubow, Rebecca <Dzubow.Rebecca@epa.gov>; Griffin, Susan <Griffin.Susan@epa.gov>; Hiatt, Gerald <Hiatt.Gerald@epa.gov>; Hospital, Jocelyn <Hospital.Jocelyn@epa.gov>; Kent, Ray <Kent.Ray@epa.gov>; Kissinger, Lon <Kissinger.Lon@epa.gov>; Mangino, Mario <mangino.mario@epa.gov>; Miller, Gregory <Miller.Gregory@epa.gov>; Murphy, Deirdre <Murphy.Deirdre@epa.gov>; Olsen, Marian <Olsen.Marian@epa.gov>; Quinn, Elizabeth <Quinn.Elizabeth@epa.gov>; Raffaele, Kathleen <raffaele.kathleen@epa.gov>; Rauscher, Jon <Rauscher.Jon@epa.gov>; Schumacher, Kelly <Schumacher.Kelly@epa.gov>; Seed, Jennifer <Seed.Jennifer@epa.gov>; Tsui-Bowen, Alethea <Tsui-Bowen.Alethea@epa.gov>  
**Cc:** IRIS\_AgencyReview <Ex. 6 Personal Privacy (PP)>; Barone, Stan <Barone.Stan@epa.gov>; Cassidy, Meghan <Cassidy.Meghan@epa.gov>; Cogliano, Vincent <cogliano.vincent@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Flowers, Lynn <Flowers.Lynn@epa.gov>; Hoyer, Marion <hoyer.marion@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Lloyd, Diedre <Lloyd.Diedre@epa.gov>; Pagan, Ines <Pagan.Ines@epa.gov>; Paquette, Nicole <Paquette.Nicole@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Shams, Dahnish <Shams.Dahnish@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Subramaniam, Ravi <Subramaniam.Ravi@epa.gov>; Newhouse, Kathleen <Newhouse.Kathleen@epa.gov>; Hogan, Karen

<Hogan.Karen@epa.gov>; Soto, Vicki <Soto.Vicki@epa.gov>

**Subject:** Transmission of the draft IRIS assessment of Benzo[a]pyrene for Agency Review (Step 6)

Dear Agency Partners:

We are pleased to transmit the draft IRIS assessment for Benzo[a]pyrene to you for Agency review. This assessment is in Step 6 of the IRIS process and your review will occur concurrently with a final interagency review.

**Please submit written comments no later than Wednesday, December 14th, 2016.\***

**Please submit these directly to me via e-mail, with a cc to Ex. 6 Personal Privacy (PP). We are no longer using the IRIS Agency database in Lotus Notes.**

*\*All – We are asking for your support in aiding us in releasing this assessment in a timely way by completing your review for this chemical in 3 weeks. As you know, we have implemented numerous enhancements to the IRIS process that have resulted in shorter, more readable, streamlined, and better-organized documents. We believe that 3 weeks should be an adequate review period given these changes. In addition, for this particular chemical, we are running up against a holiday crunch and we would very much like to get the review completed by the 14<sup>th</sup>, with the goal of turning around a final version quickly enough so that we may begin our final posting preparations prior to the holidays. Although ambitious, this schedule should allow us to post the assessment first thing in the New Year. Thank you in advance for your assistance and support in moving the IRIS Program forward!*

In order to help orient you to the content of the assessment, additional information follows.

Please feel free to contact me with any questions.

Thanks.

Gina Perovich

703-347-8656

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#### **Documents:**

- IRIS Toxicological Review of Benzo[a]pyrene - (Clean and Compared to External Peer Review Draft)
  - IRIS Toxicological Review of Benzo[a]pyrene – Appendices - (Clean and Compared to External Peer Review Draft)
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Attached Please find the draft assessment (and appendices) of benzo[a]pyrene (BaP) for Agency review (Step 6) as outlined in the May 21, 2009 IRIS process.

The most significant revisions included in the assessment since external peer review are highlighted below.

**In direct response to peer-review recommendations from the SAB, EPA made the following major changes:**

## **Ex. 5 Deliberative Process (DP)**

# Ex. 5 Deliberative Process (DP)

## Changes and their impact on the overall toxicity values:

- No quantitative changes were made to the overall toxicity values.

## ADDITIONAL INFORMATION

As implemented in the External Review draft (September 2014), the IRIS benzo[a]pyrene assessment incorporates National Research Council's short-term recommendations to increase transparency and clarity, through streamlining documents (using more tables, figures, and appendices to present information and data) as well as through more thorough documentation of conclusions—criteria for literature searches and study evaluation, more integrative discussions of hazard conclusions and weight-of-evidence decisions, and improved documentation for derivation of risk values.

As a reminder, citations are linked to EPA's HERO (Health and Environmental Research Online) database, which provides bibliographic information and abstracts for all references cited in the assessment and appendices. The clean versions of the documents provided here are HERONet versions, which allow you to view the full-text studies and reports used in the assessment.

Two versions of the assessment and appendices are attached -- a redline version showing changes made as a result of external peer review recommendations and a clean version.

**Please submit written comments no later than December 14, 2016** by e-mail to [perovich.gina@epa.gov](mailto:perovich.gina@epa.gov) , with a cc to **Ex. 6 Personal Privacy (PP)**

Thank you for your participation in EPA's IRIS Program. We sincerely appreciate your scientific input on EPA's draft health assessments. If you have any questions or comments, please call me at 703-347-8656 or e-mail me at [perovich.gina@epa.gov](mailto:perovich.gina@epa.gov) .

Thanks,

Gina

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Gina Perovich  
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National Center for Environmental Assessment  
Office of Research and Development  
U.S. Environmental Protection Agency  
phone: (703) 347-8656  
fax: (703) 347-8689